

Watchport® Vision Series

USB Security and Monitoring Solutions

Create a cost-effective security, surveillance or asset monitoring system with USB hardware and software vision components.



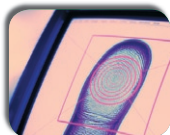
Overview

The Watchport Vision Series is built upon the high-performance Watchport/V2 and Watchport/V3 USB cameras. These cameras offer exceptional low light sensitivity, 30 fps USB frame rates at all resolutions, and enhanced resolution to deliver optimal picture quality, making them ideal for kiosks, ATMs, point-of-sale, ID badging, mobile computing, webcam or any mission-critical application utilizing camera surveillance.

Watchport/FastAccess software uses patent-pending facial recognition technology to dramatically reduce or eliminate the need for login passwords in computer environments where data security is critical and time is of the essence. Watchport Sentry or Watchport Console software turns your PC into a single-camera CCTV.

Applications for the Watchport Vision Series include controlling access to cash registers, complying with HIPAA for medical patient data, protecting confidential information at a human resources kiosk, or monitoring critical assets, just to name a few.

Target Applications



Building Automation/
Security

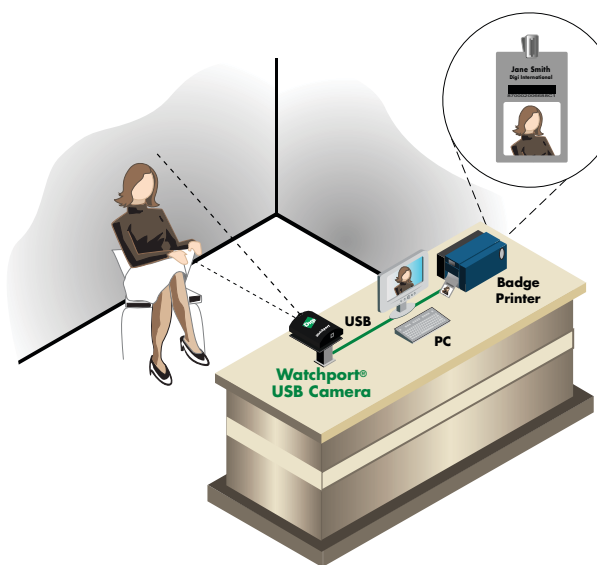


Retail/POS



Medical/Healthcare

Application Highlight



Features/Benefits

- Easy installation and configuration; USB-powered
- Microsoft Windows compatible
- Cameras offer exceptional low light sensitivity
- Non-interlaced camera model offers even higher quality pictures
- Video encoder model for 3rd party cameras
- Motion detection and facial recognition software
- Access cameras over an IP LAN with AnywhereUSB®
- Compatible with ConnectPort™ WAN and Digi Connect® WAN 3G cellular routers, ConnectPort™ X gateways and ConnectPort™ TS W serial servers for access over cellular and IP WANs



Specifications

Watchport®/V2, Watchport®/V3

General Features

Light Sensitivity	<1 lux
Adjustable Resolutions	1280 x 960 (software enhanced); 640 x 480; 352 x 288; 320 x 240; 176 x 144; 160 x 120; 128 x 96
Frame Rates	30 fps max at all resolutions
Lens	Included: Removable 4.9 mm lens; F:2.0 adjustable Optional lens package with 3 mm wide angle (green), 8 mm close-up (red), 12 mm telephoto (blue)
Exposure Controls	Manual and automatic gain and shutter control; Automatic White Balance (AWB); Manual color balance; Color saturation
Color Formats	16.8 million TrueColor (24 bit RGB), YUY2, UYVY
Motion JPEG Compression	Yes
Sensor	Color CCD
Scan Frequencies	60, 50, 30, 25, 15, 12.5, 7.5, 6.25 and 4 Hz
Shutter Rate Controls	1/4 second to over 1/30,000 second
Operating Systems	Windows XP®, Windows® XP Embedded, Windows NT® 4.0*, Windows NT Embedded*, Windows Server® 2003, Windows 2000
Standards and Protocols	Microsoft DirectShow WDM; Microsoft Video for Windows; TWAIN
Mounting (Optional)	Wall mount, Clamp mount
Dimensions (L x W x H)	3.5 in x 2.5 in x 1.5 in (9.0 cm x 6.4 cm x 3.8 cm)
Weight	4.5 oz (127.6 g)
Other	Non-interlaced model for even higher quality pictures (Watchport/V3)

Power Requirements

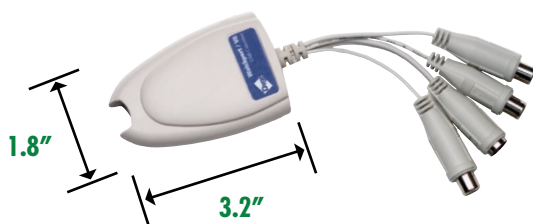
Power Supply	USB powered; No external power supply required
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Environmental

Operating Temperature	32° F to 149° F (0° C to 65° C)
Relative Humidity	0% to 95% (non-condensing)

Approvals

Safety	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950
Emissions/Immunity	CE, FCC Part 15 Class B, EN55022, EN55024



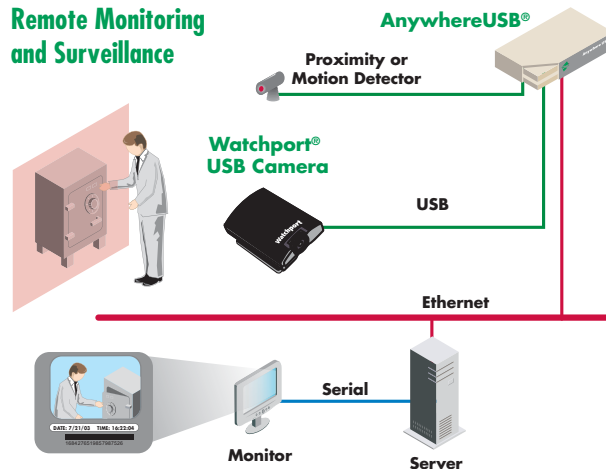
Applications

Create a Low-Cost Surveillance System with Watchport® and Motion Detection Software

Digi makes it easy to create a remote monitoring system to protect an office, warehouse, data room, gas pump, cash register, parking lot or other property. Watchport USB camera plus Watchport Sentry (single camera per host) or Watchport Console (multiple cameras per host) motion detection software offers a cost-effective alternative to CCTV and other remote surveillance solutions.

- Sensitivity controls and user-defined masks eliminate spurious motion detection; compensates for changes in lighting
- Instant playback allows user to review motion captured on a given day
- Automatic zoom
- Automated image archiving or deletion
- Motion map feature displays summary of motion over time
- Time lapse or webcam mode allows user to schedule operating periods for specific times and days of the week
- Name, time and date stamping of recorded images
- Image encryption to detect tampering

Remote Monitoring and Surveillance

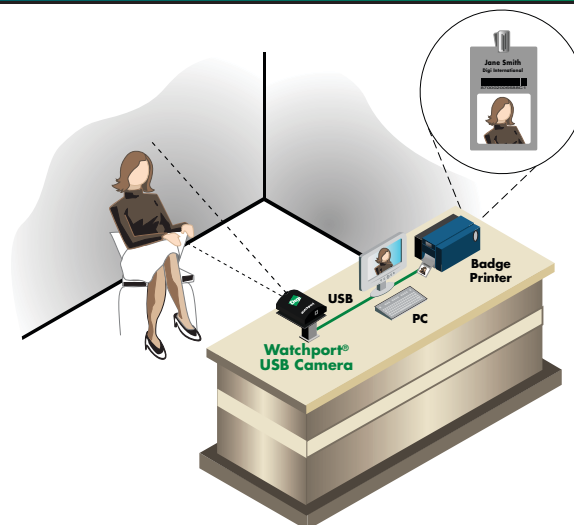


Create Affordable ID Badging Systems with Watchport®

Photo ID badging is a popular and effective means of identification in environments such as medical facilities, office buildings, factories and prisons. However, the typical camera and video capture card systems required to use photo ID badging software can be cost-prohibitive.

The Watchport USB camera is an affordable alternative. It is easy to integrate with ID badging software, eliminating expensive cameras and video capture cards for building access control, time and attendance tracking, and even recording employee transactions at the company cafeteria.

- Exceptional low light sensitivity—automatically adjusts to varying light conditions and skin tones, enabling a high volume of photos to be taken in a short period of time
- Compatible with major badging application software packages
- DirectShow and TWAIN/AVI compatibility means easy application integration
- Enterprise-grade solution will be available indefinitely, unlike consumer-grade cameras that require periodic retesting and recertification
- Lower cost than typical camera and video capture card system

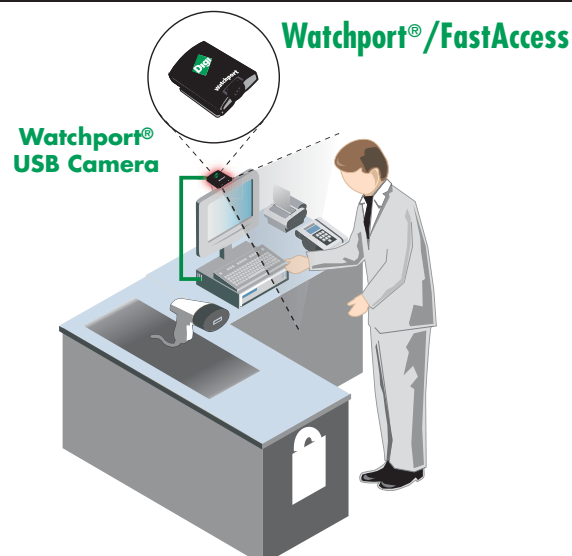


Create a Cost-Effective Access Control System with Watchport® USB Camera and Facial Recognition Software

Watchport/FastAccess facial recognition software makes it easy to create a PC access control system without the use of passwords or physical tokens. Passwords are often shared, tokens and badges can be shared and lost, and fingerprint or retinal scanners lack continuous authentication.

Watchport/FastAccess advanced biometric facial recognition provides continuous authentication. Instead of constantly typing account information at the login screen, valid users simply walk up to the computer and are recognized and logged in. Once the user steps out of view, the computer will lock.

- Continuous authentication
- Instant facial recognition
- No password entry required
- No token or card required
- Instant desktop switching among multiple authorized users
- Automatic computer lock when user steps away



Specifications Watchport®/VE	
General Features	
Video	Connects conventional 3rd party cameras via USB; Converts NTSC video streams; Supports composite and S-type video connections; Compatible with Watchport Vision Series software products
Audio	Supports external mono or stereo audio devices with dual RCA connectors
Operating Systems	Windows XP®, Windows® XP Embedded, Windows NT® 4.0*, Windows NT Embedded*, Windows Server® 2003, Windows 2000
Standards and Protocols	Microsoft DirectShow WDM
Dimensions (L x W x H)	3.2 in x 1.8 in x 0.8 in (8.0 cm x 4.4 cm x 2.0 cm) - Not including cables; Cable lengths: 4.4 in (11.2 cm)
Weight	1.9 oz (54.0 g)
Power Requirements	
Power Supply	USB powered; No external power supply required
Environmental	
Operating Temperature	32° F to 149° F (0° C to 65° C)
Relative Humidity	0% to 95% (non-condensing)
Approvals	
Safety	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950
Emissions/Immunity	CE, FCC Part 15 Class B, EN55022, EN55024

Specifications Watchport®/Sentry, Watchport® Console (Optional)	
General Features	
Software	<p>Automatic detection of motion event in camera field of vision</p> <p>Capture of specific object in motion</p> <p>Pre-event and post-event recording prevents missing event boundaries</p> <p>Sensitivity controls and user-defined masks ensure shadows, clouds and other unwanted motion are not recorded as events</p> <p>Scheduling of operation reduces image storage requirements</p> <p>Sophisticated alerting functions can send captured images by email, or upload them to a website for remote viewing</p> <p>SMS message alerts can also be configured via an external application</p>

Specifications Watchport® FastAccess (Optional)	
General Features	
Software	<p>Instant facial recognition</p> <p>Automatic login without typing</p> <p>Automatic logoff when user steps away</p> <p>Seamless account switch for new users</p> <p>Eliminates password theft</p> <p>Centrally managed</p> <p>Easily deployed</p>

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